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IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A <u>The</u> catheter system <u>of claim 2 further</u> for ereating an isolated bleed vessel segment comprising:

a-first-catheter-and-a-second-eatheter, each-having-a-preximal-and-a distal-end-

said-first-eatheter-having-a-first-expandable-occlusion-device associated-therewith,

said-second-eatheter-having a second expandable-esclusion device associated therewith and being adapted to expand-said-second-esclusion device distally of the first-esclusion device on the first-eatheter.

said-second-catheter being-slidably housed-within a first-lumen in said first eatheter such the distance between said first and second occlusion device may be varied,—the occlusion devices being expandable to engage a wall of a blood vessel-thereby-substantially isolating an interior-segment of a desired extent between said first and second occlusion devices, and

said-second catheter is provided with a pressure monitoring port located proximally of the second expandable occlusion device and open to said isolated interior segment between said first and second occlusion devices to monitor

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the pressure within said isolated interior segment.

2. (Previsously Presented) A catheter system for creating an isolated blood vessel segment comprising:

a catheter and a guide wire each having a proximal and a distal end, said catheter having a first expandable occlusion device associated therewith.

said guide wire having a second expandable occlusion device associated therewith and being adapted to expand said second occlusion device distally of the first occlusion device on the first catheter.

said catheter being slidably mounted on said guide wire.

the occlusion devices being expandable to engage a wall of a blood vessel thereby substantially isolating an interior segment of a desired extent between said first and second occlusion devices.

3. (Previously Presented) The catheter system of claim 1 further comprising a pressure regulator coupled to said pressure monitoring port and configured to regulate the pressure of an agent infused into said isolated interior segment between said first and second occlusion devices

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4. (Currently Amended) The catheter system of claim 1 wherein said

second catheter guide wire is spaced from the inner wall of said first catheter to create an

infusion coaxial lumen surrounding said guide wire second catheter.

5. (Currently Amended) The catheter system of claim 1 wherein said

second catheter is provided with three lumens.

6. (Cancelled)

7. (Currently amended) The catheter system of claim 1 further comprising

an infusion port located distal toproximally of the second first expandable occlusion device

and open to said isolated interior segment between said first and second occlusion devices.

8. (Previously presented) The catheter system of claim 7 further comprising

a pressure sensor coupled to said pressure monitoring port and said infusion port.

(Previously presented) The catheter system of claim 1 wherein at least

one of said first expandable occlusion device and said second expandable occlusion device

comprises a balloon formed of a compliant material.

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(Previously presented) The catheter system of claim 3 wherein said

pressure regulator comprises a spring controlled reservoir.

11. (Currently Amended) The catheter system of claim 1 wherein at least

ene of said catheters having a relatively stiff proximal region, a softer intermediate region

and a still softer distal region.

12. (Previously presented) The catheter system of claim 3 further comprising

an infusion port located proximally of the second expandable occlusion device and an

infusion lumen coupled to said infusion port, wherein said pressure regulator is coupled to

said infusion lumen and said pressure monitoring port.

13. (Previously presented) A catheter system for creating an isolated blood

vessel segment comprising:

a first catheter and a second catheter, each having a proximal and a

distal end,

said first catheter having a first expandable occlusion device

associated therewith.

said second catheter having a second expandable occlusion device

associated therewith and being adapted to expand said second occlusion device

distally of the first occlusion device on the first catheter.

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said second catheter being slidably housed within a first lumen in said

first catheter such the distance between said first and second occlusion device may

be varied, the occlusion devices being expandable to engage a wall of a blood

vessel thereby substantially isolating an interior segment of a desired extent

between said first and second occlusion devices, and

a pressure regulator configured to regulate the pressure of an agent

infused into said isolated interior segment between said first and second occlusion

devices

14. (Previously presented) The catheter system of claim 13 wherein at least

one of said catheters having a relatively stiff proximal region, a softer intermediate region

and a still softer distal region.

15. (Previously presented) The catheter system of claim 13 wherein said

second catheter is spaced from the inner wall of said first catheter to create a coaxial lumen

surrounding said second catheter.

16. (Previously presented) The catheter system of claim 13 wherein said

second catheter is provided with three lumens.

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17. (Previously presented) The catheter system of claim 13 further comprising an infusion port located proximally of the second expandable occlusion device and open to

said isolated interior segment between said first and second occlusion devices.

18. (Previously presented) The catheter system of claim 17 further comprising

a pressure monitoring port located proximally of the second expandable occlusion device

and open to said isolated interior segment between said first and second occlusion devices,

wherein said pressure regulator is coupled to said infusion port and said pressure

monitoring port to regulate the pressure in said isolated interior segment between said first

and second occlusion devices.

19. (Previously presented) The catheter system of claim 13 wherein at least

one of said first expandable occlusion device and said second expandable occlusion device

comprises a balloon formed of a compliant material.

20. (Previously presented) The catheter system of claim 17 further comprising

an infusion lumen coupled to said infusion port and wherein said pressure regulator is

coupled to said infusion lumen and said pressure monitoring port.

21. (Previously presented) The catheter system of claim 20 wherein said

pressure regulator comprises a spring controlled reservoir.

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## 22. (Cancelled)

(Previously presented) 23. The catheter system of claim 15 wherein said coaxial lumen is an infusion lumen.